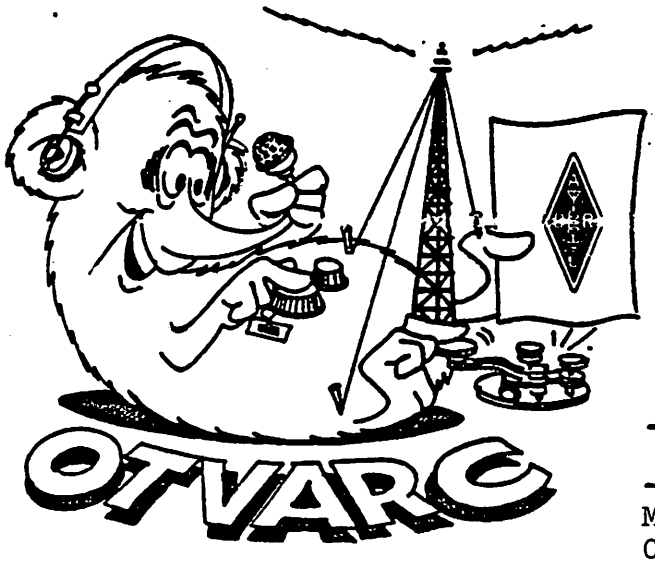


OREGON TUALATIN VALLEY

March, 1983

AMATEUR RADIO CLUB

PO Box 5132 Beaverton, Oregon 97006

Meeting: Wednesday, March 16 at 7:00 pm.....
Coffee, juice and cookies at BREAK time.....

PGE BUILDING-MURRAY AND SCHOLLS FERRY ROAD-BEAVERTON

President:	Bert Schmidt	W7JWG	Trustee:	Al Berg	WB7SIC
Vice-Pres:	Doc Miller	KA7BSD	Trustee:	Randy Cobb	KA7HJT
Secretary:	Linda Cereghino	N7CZY	Trustee:	Warren Knight	N7BIJ
Treasurer:	John Koenig	N7CRP	Trustee:	Bob Orr	KB7CC
			Trustee:	Dick Powers	WB7ADM

Editor: Al Berg WB7SIC Circulation: 275 Copy: Dennis Boyd KC7BE

DUES

MEMBERSHIP: Those of you who did not pay your dues by the end of January did not get your Feb. newsletter. WHY? Well, it costs money and time to get the monthly drivel out to you and if you show so little interest as to not fork over a crummy $5.00 to maintain your membership, why should the plea to pay drag on! We hope that a GREAT many of the overdue members will nenew. This letter is sent out as a courtesy to nearly 100 people who may have forgotten or did not understand our club procedure for annual renewal.

HOW TO RENEW: Come to the next meeting or better yet mail a check for $7.00 to the club address. The address is on the front page of the newsletter, as usual. If you have made a decision to not rejoin the club it would be very much appreciated if you would make your reasons known. Do this either by phoning the club president or, if you wish, by an anonomous letter. You could be instrumental in making sure that the future of OTVARC is truly dedicated to the majority. A little effort on your part would be appreciated by the many people who are trying hard to make our club what it should be..... I mentioned come to the meeting. Do so with the required $7.00. WHY $7.00? It is $5.00 for those who pay on time. A $2.00 penalty is added only because of the additional work involved in roster and address changes. Thanks.....

A DEATH IN OUR FAMILY

Last month, Mel Ellis, K7AOZ, left us for a better place. He will be sorely missed by many as he was a very respected and fine man. We were fortunate to have had Mel as our 1982 convention MC and also as our ARRL Vice-Director. He was a friend to many and I am happy to say that I was one of them. 73 to you Mel. We shall meet again some day. WB7SIC

HOW TO RAISE YOUR PARENTS
From CHARRO, Brownsville TX

1. Don't be afraid to speak their language. Try to use strange sounding phrases like, "I'll help with the dishes," and "Yes."
2. Try to understand their music. Play Andy William's "Moon River" on the stereo until you're accustomed to the sound.
3. Be patient with underachievers. When you catch your dieting mother sneaking salted peanuts, do not show your disapproval; tell her that you like fat mothers.
4. Encourage your parents to talk about their problems. Try to keep in mind that to them earning a living and paying off the mortgage seem important.
5. Be tolerant of their appearance. When your Dad gets a haircut, don't feel personally humiliated. Remember, it is important to him to look like his peers.

WELCOME TO OUR NEW MEMBERS

Welcome to: Dick Stocking, KA7OSB--David Payne, NA7V--Scott Grandy, KA7ORM--Ken Seymour, KA7OSM--Bob Rives, W7WI and to Greg Milnes, W7AGQ. Very nice to have you all aboard the OTV Express! W7WI, by the way, is Treasurer for PARC and of course most of the members are familiar with W7AGQ. If not, you will be. He is our MC for the Oregon State Ham Convention and is a Circuit Court Judge for Washington County. Best to meet Greg at meetings! Hi.....

CALL CHANGES: Virgil Mays went and upgraded from no call to N7EWH. John Barnes was KA7FDT and is now N7EXP. George Gale, WB7PPY is now KD7GJ. Nice going guys!

UPSY GRADES: John Bowman, N7DOB to general and Tom, KA7BGB to advanced. HATS OFF!!!

CONGRATULATIONS: Willie Ranes, N7DZR, is now our new Washington County Assistant Emergency Co-ordinator. Willie will work with Roger, K7RXV, in consumation of the many duties involved with the ARRL program of emergency services. Willie has a wealth of experience with ELT, lost hunters, hikers and such. He will be a great attribute in the ongoing effort of amateurs to be of service to the public.

CONVENTION NEWS

A lot of hard work is behind us and more to be done. The ARRG flea market has taken a small toll on a few of our committee people but now that it is over, those few who were involved will find the time to go to work on the convention. It seems to be a never ending thing when you are involved with club activities! The convention seminars are a reality and most of the exhibitors who graced us with their presence last year are re-confirmed. Our banquet program is firmed up and the FCC HAS MADE IT KNOWN THAT THEY WILL BE HAPPY TO PROVIDE TESTING!!!!! IF YOU WISH TO TAKE AN UPGRADE TEST, YOU MUST MAKE AN APPOINTMENT VIA THEIR OFFICE. DO IT EARLY!! THERE IS LIMITED SEATING SPACE IN THE TESTING ROOM..... The tests will be conducted in our club motel conference room an that room will be available only if we fill the motel. Out of the 47 rooms available, there are about 15 left to fill. I urge you to make your reservations now and assure that you not only have a place to stay but to assure that the club will not let down a lot of upgrade hopefuls. The LANDMARK MOTEL-738-9581. More news on another page.....

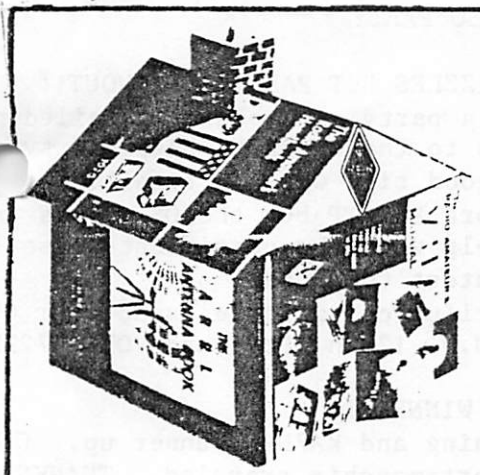
●Inside Stuff! Be on the lookout for an FCC Report and Order approving additional 20-meter phone privileges. One rumor had it that it would be issued the week of February 14th!

●MFJ Enterprises has a new Model 1220 RTTY/CW Computer Interface available at $179.95. They are in the process of evaluating various software sources that will allow widely used home computers to be interfaced with amateur radio although they say "Most general purpose interface programs will work." A lower price interface unit also is in the works.

●Cordless phones on 160-meter ham band are appearing - some operating as high as 1870-kHz. The FCC in Seattle are very interested in any information that leads them to knowledge of the dealers that are supplying the crystals. Highest authorized frequency is 1770 kHz.

DOING IT DIGITALLY - TRAFFIC LIGHTS IN THE BOUDOIR...

The February issue of Discover magazine highlights another (very) Personal Computer called the "Bioself 101" - the creation of a Swiss inventor. The bedside computer has an external recording gadget which a woman uses daily to automatically and quickly record her temperature and a button to press to tell the computer when her menstrual period begins. From that point on, everything is done with microprocessors. The inexpensive ($50) device constantly signals a go/no go signal for sex with green and red lights... or the time when she won't become pregnant. Supposedly it has the approval of the Roman Catholic church! Since we now have computer marriages and computer sex, can computer Cesarean's be far off? How do you die digitally? Is "manual living" a thing of the past?



CODE CHARACTERS FROZEN DURING QSOs
From GEARVAKf

In a recent report on last year's DXpedition to Antarctica, the League of Radio Relaying Americans' Technical Committee on Propogation has disclosed an unusual cold weather effect on radio transmissions. According to Committee Chairman, Dr. E. Flux Norgate, the DXpedition experienced temperatures below -100 degrees F. on three occaions, and each time the temperature fell, QSOs would be interrupted for up to 30 minutes because CW characters either froze or stuck together as they left the antenna, making communications impossible. On one occasion a complete transmission's worth of CW froze solid to a radio hut, trapping the occupants for 18 hours. On another occasion, the Morse code was transmitted all right but stuck together so badly that the receiving station could not copy it. Thus far the LRRA has no explanation for the phenomenon.

ARNS

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For your info.

FCC NO CODE LICENSE PROPOSAL

If you receive any ham publication you no doubt have been pretty well informed of the recent FCC proposal. The FCC WILL make a no-code license available. The question is on what frequencies and as it now appears, they are at least open to suggestion. A questionnaire was recently mailed out by Mary Lewis, our Division Director. This form is asking for YOUR opinion as to which bands and etc. should be made available to the expected influx of new hams to our ranks. The opinion, so far, as to the no-code idea has been an overwhelming NO!!! In spite of this, the FCC will stick to their guns. We, as a club, will be given the opportunity to express our opinion on the matter. The form which Mary sent out will be made available to you at our March meeting. We ask that you find the few minutes needed to complete it sometime during the evening and make sure that it is given to the club secretary or another officer. We CAN have a voice in which way this detrimental move may affect us! The FCC is not perfect, as evidenced by the way they handled the 11m move some years ago! Let us hope that they are not once again creating an unmanageable monster. Think about it, read about it and be ready to accept the outcome. Whatever you do, make your opinion known. The ARRL is fighting this proposal tooth and nail. Not Wayne Green??????

PAY THE PIG

(please)

MINI-TREASURY REPORT

Subject: Coffee, punch and cookie fund from Feb. OTVARC meeting...

Expense:

Coffee.....	$13.80
Punch.....	$23.10
Cookies...+	$10.31
Total.....	$47.21

Income:

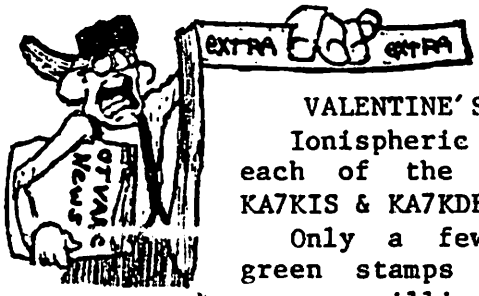
Donations..	$14.07

Deficit..... $33.14

If 100 people enjoy the refreshments, each would need to donate 48 cents for OTVARC to break even. Enough said???

N7CRP

"Up and left."



Happy Birthday George.

From your loving wife.

Rita

******* VALENTINES DAY QSO PARTY *******

VALENTINE'S DAY SPECIAL EVENT-PROPIGATION FIZZLES BUT PARTY A BLOWOUT!!

Ionispheric conditions were not good, but a party atmosphere prevailed at each of the three stations involved, thanks to the GENEROUS hospitality of KA7KIS & KA7KDB, WB7SIC & Mary, and KA7CTP. A good time was had by all.

Only a few hundred stations managed to work KA7CTP but the QSL cards and green stamps are rolling in! We still need help with the certificates, so if you are willing please contact anyone on the Contest Committee.

If you worked KA7CTP and would like a beautiful certificate, send your QSL and a green stamp ($1) to Marty McKillip, 1175 N.W. 128th, Portland, OR 97229.

JANUARY 'RUSTY KEY' NIGHT WINNERS!!

The novices swept the 'test with WB7VWX winning and KA7NPN runner up. C.W. speeds were modest, and the spirit of good sportsmanship prevaled. THANKS to all the 52 fantastic operators who joined in. Next R.K. Night is on Oct. 20.

73 de KA7CTP, KO7I, N7ACO, KI7F, N7CME, KA7GHR, & N7CRP

FAST & FURIOUS - A quick roundup of computer and telecommunications news....

•TANDY PHASES OUT THE MODEL II - An upgraded version of the Tandy Radio Shack Model II has been added to the line. The TRS-80 Model 12 will replace the Model II and will sell for about $200 more. It will have more memory, better disk drive capacities and more function keys than its predecessor. •IN OTHER TANDY NEWS - The Tandy Color Computer is not being well received by independent dealers. The TDP-100 is exactly the same as the TRS-80 Color Computer, but is sold in non-Radio Shack outlets. It retails for $50 higher than the CC which now sells for $299.00. Tandy Corporation has opted to allow non-Radio Shack dealers sell their products although they are not called TRS-80's. There is also an independent dealer version of the Model III. But Tandy is certainly doing something right! Their second quarter (which ends December 31st) sales/earnings were recently announced. They were up 25%. Tandy recorded nearly $373 million in sales during December alone! They expect to do $2.44 billion in sales this year - an increase of over $400 million. Computer sales account for one-third of all volume a company spokesman said. And Tandy is about to embark on a big sales push on "telephone and related product sales" now that the hardware has been deregulated. Also understand that many new computer products are coming shortly!

•COMMODORE HAS ANNOUNCED a new Commodore 128 with twice the capacity (128 kilobytes) as their hot-selling (30,000 a month) Commodore 64. The 128 will sell for about $200 more ($795) than the 64 but can use the same software. Computer dealers very upset that Commodore is now allowing mass merchandisers to discount the 64. And look for a family of new portable computers from Commodore. All is apparently not well at Commodore. Their new president (Leon Harris) resigned after being there only a short time.

•APPLE'S NEW MODEL II-E (for Enhanced) will replace the Apple II+ - long the mainstay of their line. It has more memory, improved keyboard, built-in BASIC and will sell for only $50 more ($1395) than the Apple II+. Apple (as well as Tandy) announced higher earnings! A new entry into the office work station area - the "Lisa" ($9,995) is about to be introduced - as well as a personal computer offshoot of it called the "Macintosh" which will sell for about $2,000. with a high-density disk drive included. Both Lisa and Macintosh will use Motorola 68000 16-bit CPUs. Stock market reacting very strongly to to Apple's new models! Apple said it cost $50 million to develop the Lisa which has some very startling program handling abilities we are told. Business software packages are already available for it.

•BUSINESS OF THE FUTURE? Look into microcomputer maintenance! A California research company said servicing personal computers will grow at the compounded rate of 36% a year! Their study (which they are selling for $750) said it will be a billion dollar business within 4 years!

•FEDERAL JUDGE HAS RULED that a city may not pass an ordinance holding Cable TV offerings as indecent. Efforts of Roy, Utah, officials went awry when Judge Bruce S. Jenkins ruled that broadcasting and cable television are different. "Users of a cable system must subscribe, pay a fee and receive signals through privately owned wirelines." Meanwhile, the city of Miami unanimously passed an ordinance prohibiting cable operators from transmitting obscene material. An appeal is probable in view of the Roy, Utah, precedent.

ANOTHER (NON-HAM) QUIZ
From Silvercreek A.R.A. (Akron OH)

There are 28 Pro Football teams, 27 are listed below. Who's missing?

1. Army Insects
2. Seven Squared
3. Streakers are this
4. A 747
5. Hostile Attackers
6. Various Iron Workers
7. Sun Tanned Bodies
8. I.O.U.
9. Helpers to Relocate
10. Toy Baby with Arms
11. Bird Trained to Kill
12. Lubricators
13. Six Rulers
14. Opposite of Ewe
15. Class of Boy Scouts
16. American Gauchos
17. Fundamental Rule
18. Credit Card Users
19. Indian Leaders
20. King of Bears.
21. Used to be a Girl.
22. An Ocean-Going Bird
23. A dollar For Corn.
24. Hot Epidermis.
25. Louis Armstrong Favorite Song
26. Rodeo Horses
27. Six Shooters
28. ? ? ? ? ? ?

Answers towards the rear.

CLUB LIBRARY: Recently, about a 1000# of publications were hauled over to Antronics of Oregon, in Aloha. Stan, the owner of Antronics is making available some space in his store for our library and not only that, he is willing to oversee the loaning out of our publications. This should be of great help in seeing to it that the library is used and enjoyed by the members. In the past, it was in the home of Bill, WB7NPH, and it is understandable that many of us were reluctant to call Bill and invade his home. Thanks to Stan this will not be a problem in the future. A word of thanks also must go to Dick, WB7ADM, for making available metal shelving to hold the library. You will hear more on this later when the operation is all set up and ready to go.....

ACTIVITIES

Spring ham classes are getting close to reality. If you have a desire to upgrade or have a friend, spouse or relative who desires to get into this crazy ham hobby, now would be a good time to do it. I don't have the sked for you at this time but if you desire to have this info, either call the Portland Community College campus at Rock Creek or give a jingle to Bob Orr, KB7CC, at 297-2732. Novice through Extra will be offered-providing we have the required enrollment number for each class. In the past, the Advanced and Extra class has been a tough one to fill. We have good instructors and the enrollment cost is very reasonable. Theory and code classes are at your beck and call. If you have been wanting to DO IT, here is your chance. Good luck to the students!!!

BUNNY HUNT SCHEDULE

3-19	Intermediate--Hillsboro Bi-Mart	4-2	Advanced--Hillsboro Bi-Mart
4-16	Beginner--Norths, Bvtn. Mall	4-30	Intermediate--Sears Auto, Wsht. Sq.
5-14	Advanced--Norths, Bvtn. Mall	5-28	Beginner--Norths, Bvtn. Mall

All hunts assemble at 1:30 and start at 2:00. Rules are to be furnished for those of you who desire them and, as in the past, must be followed to the letter. Let's see a big turnout for the next hunt. Show up and grab a ride or bring your gear and DO IT!!!!

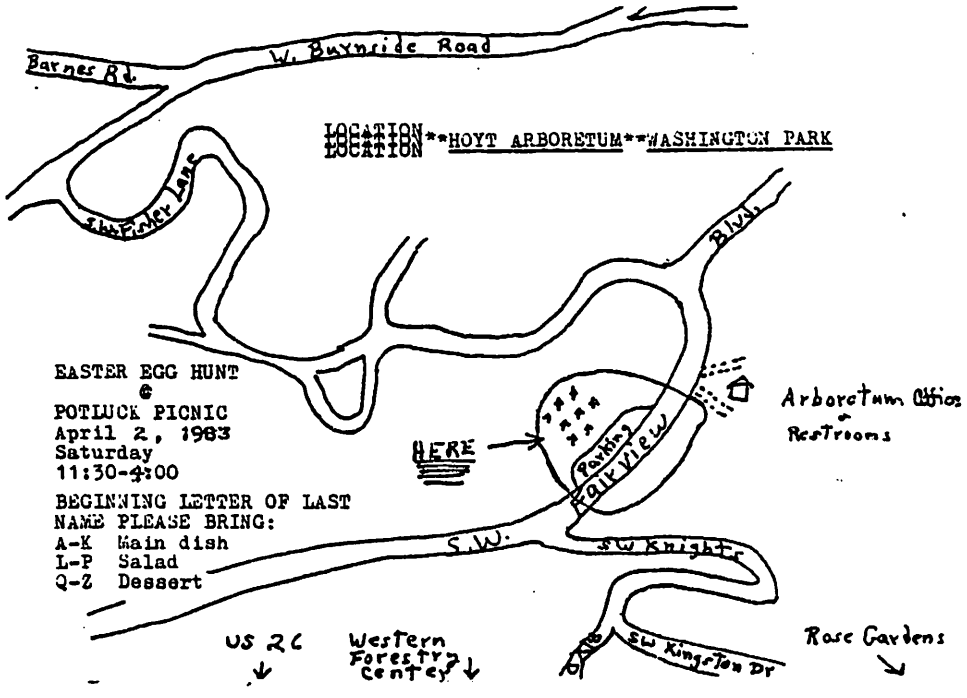
EASTER EGG HUNT AND POT-LUCK PICNIC

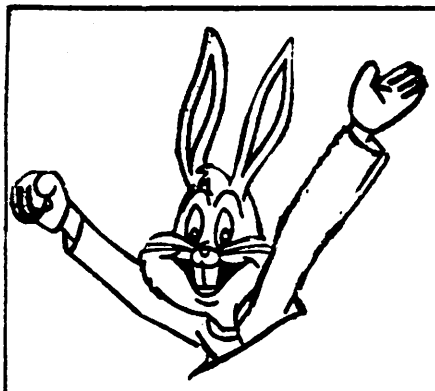
Once again you can enjoy a fun family event. If you and your kids enjoy Easter Egg Hunts you will certainly get a kick out of this one. The Easter bunny will be hiding eggs near the Hoyt Arboretum on SE Fairview Blvd. in Washington Park on Saturday, April 2nd. The gathering time will be 11:30 and shortly after that the pot-luck will be enjoyed. Don't want to let those yum-yum hot dishes to get cold! WHAT DO YOU HAVE TO BRING? First off, the club is furnishing the eggs, candy and punch. We are asking that those who have last names starting from A-K please bring a main dish, L through P bring a salad and Q through Z fix up your favorite dessert. If you desire a cool one or coffee, that is up to you. YOU MUST FURNISH YOUR OWN UTENSILS. This is a neat family event so bring the kids, grandkids or just your own fun-loving self. If you have a question please feel free to call me, Paul Lucas, WB6SHR at 641-8703.

COMING HAM FAIRS

March 26-Salem Hamfair
March 26-27-Do-Dah-Dit (Seattle)
May 7-8--Vancouver Hamfair
June 3-4-5--Ore. State Conv.
July 8-9-10--ARRL in Spokane
July 16-17--Eugene Hamfair
Aug. 13-14--Tacoma Hamfair

Information on most of the above is available by making a visit to your local radio store where you will find, in most cases, registration forms and/or info sheets. Your Ye Old Ed messed up previously on the Salem event and reported a date of March 5-6. SORRY!!!!





RECENT HUNT RESULTS

Feb. 5--Advanced

1. WA7NTU & WB7FSI
2. WB7SIC-W7JWG-N7CRQ
3. N7DZR & KC7U
4. KA7BGB & WA7UMM

Feb. 19--Beginner

1. WB7FJC-KA7BGB-W7XI
2. K7PSD-N7CZY-WB7SIC
3. N7EPE & KC7U

Over 20 people just made bunny hunt antennas at our recent project nite so we hope to see quite a few new faces out on this fun event. Give it a try and prove it to yourself! it's FUN! SEE THE HUNT SCHEDULE ON ANOTHER PAGE.....

Repeaters — An Eavesdropper's Paradise (ARRL)

At a backyard ham picnic, a man reminded me that we had met before. "You gave the talk at the Dallas Amateur Radio Club a couple of years ago about security. . . about not talking so much on the repeaters concerning our personal lives. I still remember the things you said." Goodness. The talk was two years ago, and this fellow remembered what I said. That's better than a lot of preachers, whose sermons may not linger past the final hymn. "Maybe you ought to write an article for *QST*," he continued. Not a bad idea.

I have spent a major portion of my adult life as a U.S. Treasury agent, a CIA agent, and a writer and lecturer to citizen and police groups on the subject of security. I am more sensitive than most about locking my car and my house, and watching what I say concerning my personal comings and goings. While you may never share my total outlook, some of my observations should cause you to stop and think about some of the things you say on your local repeater.

Because repeater activity is usually confined to talking to the same friends — to the point that we recognize each other's voices — we tend to forget how many eavesdroppers there are. With all the scanners, portable radios that tune the vhf bands, ham rigs sold at flea markets, etc., there is a vast audience out there for your casual remarks. Couple that with the fact that you are listed in the *Callbook*, and possibly in a local ham directory, and you are inviting problems if you talk indiscriminately.

I let my ham license expire while I was in the CIA. Getting on the air and talking about my work was not part of their master plan for me. When I returned to civilian life in Dallas, I started studying for my ticket, and bought a 2-meter rig. This was my first exposure to modern ham repeaters. I couldn't believe what I heard.

I made some profiles of people and families I heard on the repeaters and phone patches. I learned the names and addresses and phone numbers of the husbands' and wives' employers, their home addresses and phone numbers, the names and ages and the schools attended by their children. Also divulged were long lists of personal possessions, their vacation plans (with dates and places), the nights they would be out for dinner or a show, and even when they would return home. Some folks told who was left at home (elderly parent, child, babysitter), and where they left the spare key to the house. On and on it went.

I also heard discussions of what kind of medications people were taking, the kind of booze they drank and the general status of marriages. "Love you a bunch," or the irate XYL who answered the phone patch call with "You've been talking to Mary Jane!"

"How'd you know?"

"Never mind how I know."

"Can't we talk about this later?"

Is any of this the business of a stranger? Would you go on the local a-m radio station and talk about these personal matters? It's little wonder that you hear so many hams remark, "Well, I don't talk on the repeater much, but I *listen* a lot." I should think so. It's incredible what you hear.

You may be placing your security, or your family's security, in jeopardy by talking indiscriminately on a local repeater.

"Well, I'm just about to get on the plane. See you all in a week. KH6IO clear." Each time I hear something like that coming into a repeater from the airport, I cringe. Anyone listening now knows that you have gone on a trip and won't be back for a week. I don't have to draw a picture for you to understand the implications of the wrong person having that information. I make it a practice never to talk about a trip as I leave town. Anyone who really needs to know that you are leaving already knows. Don't tell the whole world. Wait until you've returned, and then get on the air to announce your triumphant return. Never mind that the first response may be, "Oh. You been out of town?" Your dog probably missed you.

Then, there's the phone patch. Wonderful gadget. Lots of fun. But don't turn it into a daytime soap opera with revelations of your personal life.

Every city seems to have a bachelor who asks directions over the phone patch for every new YL he is dating. "It's apartment 212, upstairs on the right. My blue 280Z is parked just [illegible] my bedroom window." Most W5LOVER is trying to impress everyone [illegible] the repeater that he has a new girlfriend (any girlfriend!). I'm sure she would be upset if she realized he had just broadcast her location to all those listening. And now that Touch Tone decoders are common, it's easy to get the phone number, too. Bad news.

Some things overheard recently on a local phone patch were: "If I go out before you get here, I'll leave the house open." And a guy talking on the patch to his YL around midnight, both agreeing that she will spend the night alone at her place. The next day the same guy was talking with her again on the patch, arranging for her to spend the night at his place. Wouldn't she be surprised to come home the next morning and find her apartment ransacked. I wouldn't.

Many times we use a repeater when direct communications would do the job. I make it a practice to use a portable transceiver on low-power simplex whenever I am giving final directions to my place. If you must talk about your personal life, at least limit the audience as much as you can. And don't do your fellow hams a disservice by talking to third parties about your friends' plans for evening outings or vacations.

Earlier, I mentioned *Callbook* listings and local ham directories. Think about listing a "mailing address" with the *Callbook* and the FCC that is different from your home address. It's not easy for some to do this, but it seems worthwhile.

You may think I'm being unrealistic and there is little left for you to talk about. Not really. Simply use common sense. Ask yourself, "Is this something I want a complete stranger to hear?"

The concept of security is harder to sell than a 75-meter rhombic to an aeronautical mobile operator. A majority of customers for security products has already been victimized. Don't assume that *it* always happens to other [illegible] or wait until something happens to you you become conscious of your own se[illegible] Remember: Our broadcasts don't have commercials. You'd be surprised what a crowd that can draw. Think before you punch that mike button. Someone may just be waiting for you to supply that last piece of the puzzle. — *Richard C. Rhodes, KH6IO, Dallas, Texas*

Dennis, AI7G, made a recent trip to the Tek Country Store. How he got in is a very deep mystery but that is of no consequence. While there, he made the very important decision to purchase a 25¢ soldering gun. On getting home, he discovered that the gun did not work and promptly got in his car and returned to Tek to get his money back. As the trip is about 14 miles to and from, we must commend Dennis for his considerable contribution to the economy. A gas station somewhere in his vicinity has benefitted greatly. This kind of dedication to improving our economy is above the call to duty!!

CONGRATULATIONS: Randy, KA7HJT, has been able to get at least a small part of his family involved in ham radio. A congratulations to his daughter, Christine, who is now accepted on the ham bands as KA7OTG. SUPER!!!

ARRG FLEA MARKET REPORT

Our recent FLEA MARKET turned out to be a very large success for many people. The ARRG came up with a very healthy increase in funds that will go a long way in speeding up the plans for vast expansion in UHF/VHF communications throughout the state. I say OUR recent flea market only because about half of the OTVARC members are involved in some way with ARRG. The dealers present did fairly well and those who had rented tables to rid their garages and shacks of excess gear made sure that somebody elses garage got filled up. A good show for the first time around and MANY people are to be thanked for persona efforts and time in making sure that the event went off well. Dick, WB7ADM, the chairman, did an outstanding job and especially in making sure that people, who had not previously been asked to take part in doing a job, were asked and performed well. We must thank all of the hard workers and the dealers as well for making our FIRST Portland flea market a great success. You WILL hear more on how this effort will pay off for many,many hams!!!!!

ARRL LETTER

☆☆ NO-CODE: BATTLE LINES DRAWN ☆☆

A VERY IMPORTANT SUBJECT-PLEASE READ IT

FCC released the text of the no-code Notice of Proposed Rulemaking February 1. Remember, this is just a proposal at this stage, and you will have an opportunity to express your opinions to the FCC should you choose to do so. The deadline for filing comments is April 29 (May 31 for replies). March QST will carry the entire text of the NPRM along with instructions for the procedures for filing comments. Firing a nasty-gram off to the FCC about this issue may relieve your frustration, but it won't help your cause any. Please read the entire text in QST at least once, construct "cool headed" statements on the subject and file according to the instructions in March QST.

Although the full text will appear in March QST we will cover the high points here. With the exception of one paragraph, the tone of the document is conciliatory and focuses on the FCC's stated belief that some form of a no-code license will enhance the Amateur Radio Service by attracting (particularly) bright young computer enthusiasts. The NPRM is a smoothly polished sales pitch for the no-code concept. To be effective against this proposition, a counterargument must also be smooth and logical. It seems unlikely that venomous cries of outrage will have any positive effect.

Early on the first page of the NPRM, the FCC sets the stage for their arguments supporting the no-code concept. "We are doing this in the belief that there are intelligent, disciplined persons who can make a valuable contribution to the Amateur Radio Service without such a proficiency. These persons may include, but are not limited to, many of our nation's younger, school-aged individuals whose primary interest lies in the burgeoning field of computer technology or individuals with a physical handicap which prevents them from being able to successfully complete a Morse code examination." As an alternative to the Novice license, this new entry level license will allow these individuals to prove "they have the ability and discipline to make a serious contribution to the Amateur Radio Service."

No-Code Technician

After recounting some of the history of the no-code controversy over the last decade, the FCC gets to the heart of the alternative proposals presented in this NPRM. The first possibility is simply to delete the code requirement from the current Technician Class licensing requirements. The name of the class would stay the same. Technicians licensed under the current system (requiring the code exam) or those passing an optional 5-wpm code exam would have full Novice privileges. Technicians passing only the theory portion of the exam would have no privileges below 30 MHz but would have full privileges above 30 MHz.

FCC rationalizes that computer enthusiasts newly licensed as no-code Technicians would initially use radio-teleprinter modes (A2, F1 and F2). But because other modes would be open to them, they would have the incentive to learn other modes -- including A1. Also, it appears FCC has no intention of taking away any privileges of currently licensed amateurs.

The Experimenter

The second possible form of a no-code license discussed by the FCC is called the Experimenter. This concept is modeled loosely after the Canadian Digital Amateur Class Certificate, which requires examinations in radio regulations, radio theory, and digital techniques. The FCC proposes to create a new examination element -- element 5 -- which would be the sole examination required for the license. The Commission invites comment on the appropriate content for this element. The NPRM notes that the level of the exam in terms of radio theory and regulations could be at or between the levels required for any of five current exams.

Noting that the examinations for both the Technician (General) and Extra class licenses cover digital techniques in some respects, the FCC asks if it would be wise to make up element 5 from existing elements. For instance, if the new element 5 were made up from current elements 2 and 3, the requirements for the Experimenter class license would be essentially the same as those of the proposed no-code Technician class license. The FCC points out that since the Experimenter class license would not give any privileges not afforded to other license classes (except the Novice) and since digital techniques would not be removed from examination elements for other class licenses, it would be a misnomer to call the Experimenter class by the title "Digital class."

Because the Canadian Digital Amateur Certificate carries privileges above 144 MHz, FCC is proposing 144 MHz as the lower limit of operation for the Experimenter class. FCC notes that there is nothing to prevent lowering this figure to 50 MHz (Ed: or raising it to 220 MHz) and invites comments on this topic.

Differences In Options

Viewed in the light of the hypothetical example of using current elements to make up the new element 5, there is relatively little to distinguish between the Experimenter approach and the codeless Technician. From an administrative point of view, the FCC clearly would benefit from the adoption of the codeless Technician approach. In fact, the FCC notes, "Implementation of the Experimenter class license may require the Commission to develop a new syllabus and provide, by some means, for the preparation and administration of new examinations. It would also certainly require the revision and reprinting of our application forms and other Commission publications as well as a complete revision of our data processing procedures and programs used for issuing licenses. We would be remiss if we did not consider these administrative burdens in weighing the respective desirability of the two license classes proposed. Accordingly, we request that this matter be addressed in the context of comments on this proceeding."

On the other hand, the FCC regards the no-code license as an alternative entry level license, comparable in function to the role of the Novice license on the hf bands. Assuming that the majority of those who would go the no-code route prefer vhf operation, there is no incentive to upgrade if the codeless Technician option is adopted. If, however, the Experimenter option is adopted with operating privileges limited to, say 220 MHz, then there would be incentive to upgrade to Technician at least. Further, element 5 could be constructed so as to encompass elements 2 and 3. Thus, the Experimenter exam would consist of the normal set of questions for the Technician written exam with additional coverage of digital communications techniques. Then it would only be necessary for the Experimenter to take the 5-wpm code test to upgrade to Technician.

This is also a hypothetical example, but it should give you some idea of the difference in the possibilities of the two approaches. For the convenience of the FCC staff, the no-code Technician would be preferable. Depending on the privileges granted, testing requirements and other factors to be worked out, it appears that the Experimenter might be less objectionable to the majority of presently licensed amateurs.

Background

After presenting the two alternative proposals, the FCC lists what they view as some of the strong attributes of Morse code as a mode of communication below 30 MHz. According to the FCC, Morse code as a mode of communications will "stand on its own feet" because of these attributes. The Commission notes that on the other hand, above 50 MHz, the Morse code is seldom used except for station identification and in certain weak signal communications modes. This lack of use persists in spite of the fact that all currently licensed amateurs have passed 5 wpm code tests. The FCC asks the question of why they should continue to require operators to pass a skill test "which may have less utility than other skills in these bands for which the license would be granted to operate." FCC notes that, for example, a typing test is not required for those who may use radio teleprinting modes.

The Commission states that they recognize this to be the "most controversial matter that we can raise with the amateur radio community. They even quote figures from the results of the ARRL survey conducted by the Florida State University Institute of Social Research which document the level of amateur opposition (see March 1981 QST, p. 17). They reiterate that it is their intention to enhance and not necessarily enlarge the Amateur Radio Service by attracting "fully-qualified, technically competent individuals, who are not presently part of the amateur fraternity." FCC will carefully consider comments on the advisability of granting access to the popular 2-meter band to the no-code licensees, particularly if the Experimenter Option is adopted.

FCC's Faux Pas

Finally, the Commission takes notice of the last-ditch-effort letter from ARRL President Vic Clark to the Commissioners asking for an 18-month delay in issuing this NPRM (Vol. 1, No. 5). President Clark had pointed out that it seemed unwise to introduce a new class of license at the same time we were attempting to get the volunteer examination program off the ground. In rationalizing not granting the delay, the FCC "took a pot shot" at ARRL and misrepresented the facts. "While we are completely sympathetic to the burdens involved with examination of amateur operator license candidates, we reject the ARRL's request. The ARRL has, in RM-4229, invited upon the amateur community the burden of the operator examination program . . . the commission is not forcing this burden upon the amateur community." Balderdash!

(continued on next page)

(No-code continued)

The enabling legislation that eventually was written into PL 97-259 came about because the FCC General Counsel determined that the Novice testing program was probably illegal. The Commission was neither able nor willing to perform that service itself. For the past few years, Field Offices have made it increasingly difficult to take an examination by reducing opportunities and requiring advanced registration. Once the enabling legislation was on track, the FCC informally informed ARRL that their budget would no longer permit them to give amateur examinations. ARRL "invited" this burden on the amateur community only because the FCC left no alternative.

The concept of a no-code amateur license is almost as old as Amateur Radio. The League has consistently and successfully opposed earlier FCC proposals. As recently as last March, the ARRL Board of Directors went on record "strongly opposing the issuance by FCC of any amateur license with no requirement for a knowledge of Morse Code." In July we learned that FCC would soon issue an NPRM on the no-code proposition. ARRL officials visited FCC Commissioners and staff, hoping to persuade them from taking this action at this time. President Clark sent his letter in a last-ditch effort to delay the NPRM. The FCC did not listen.

ARRL's course of action will be determined by the Board of Directors. Study the proposal and let your director know what you think. His/her address is on page 8 of QST.

The Commission has presented a smooth sales pitch that presents its arguments in a cool, logical manner. It takes notice of the controversy and even goes so far as to quote figures from ARRL's survey showing the depth of the opposition to this proposal. Obviously, FCC has not entered into this lightly or unprepared.

If you want to have a positive impact, carefully read the full text in March QST at least once. Construct cool, reasoned arguments for your point of view and follow the procedures outlined in QST for filing comments. If the Commissioners were voting on a no-code license today, there can be little doubt that they would approve the license and grant relatively generous privileges. The challenge to the amateur community is to overcome this predisposition through unity and the strength of our arguments.

STOLEN-STOLEN-STOLEN

SOMEONE RIPPED OFF A KENWOOD 2500 HANDHELD FROM PORTLAND RADIO AT THE ARRG FLEA MKT.. SERIAL #3032116. Very poor taste on the suspects part! The guilty one is known by name and call. All info on this person will be made available. Write to OTVARC.

QUISQUOUS QUESTIONS

From Minnesota Army MARS Bulletin

1. How many tines are there in the fork you use to pick up your daily food?
2. What is the color of the door to your best friend's house?
3. Does the watch bear the number six and twelve or are there symbols for these numbers?
4. When you enter your car, do you put your foot, your hands, or your head in first?
5. How many different individual numbers are used to write all the numbers from one through one hundred?
6. When you turn on the light switch in your bedroom, do you flip it up or down?
7. Which is black on the telephone dial, the numbers or letters or both?
8. Is George Washington's profile on the one dollar bill facing left or right?

arms

HANDY HINTS and IMMUTABLE LAWS FOR ANTENNA BUILDERS

(From Propagator, via Amateur Radio. BY VK2DXP Wireless Institute of Australia.

Never climb a tree you can't get down if the ladder vanishes.

Never assume an RF path is cold unless you have checked it - with someone else's finger.

No matter how much wire appears to be on the spool, it is always at least 3" too short.

No matter how many trees you have, they are not in the right places ... Or if they are in the right places they won't be big enough for another 50 years.

ANYTHING will work as an antenna to some extent, but NOTHING works as well as it should.

The impedance of any new antenna is always outsdide the range of your ATU.

YOU can change ionospheric propogations paths - if you build a V-beam or Rhombic for a particular path, the path will move at least 20 degrees by the time you fire up.

Breaking strain of a wire is easily determined-it is always 10 kg less than the minimum required to get it up in the air.

By referene to handbooks you can always prove that no useful antenna can be made from the materials on hand.

arms

IF EVERYTHING IS COMING YOUR WAY
YOU ARE IN THE WRONG LANE.....

FOR THE COOK

'STARLIGHT SUGAR CRISPS'

Soften:	1 pack active dry yeast in ¼ cup of water.
Sift:	3½ cups of flour and 1½ tsps salt in large bowl.
Cut in:	½ cup of butter, ½ cup of shortening until the particles are fine.
Blend in:	2 beaten eggs, ½ cup sour cream, 1 tsp vanilla and softened yeast. Mix well. Cover and chill at least 2 hours. (up to 4 days)
Combine:	1½ cups sugar and 2 tsps of vanilla.
Roll out:	one half of the chilled dough on surface sprinkled with ½ cup of vanilla/sugar. Roll out to 16x8" rectangle. Sprinkle with 1 tbsp of vanilla/sugar.
Fold:	one end over center. Fold other end over (to make 3 layers). Turn ¼ of the way around and repeat rolling and folding, twice, sprinkling surface with additional vanilla/sugar when it is needed.
Roll out:	to a 16"x8" rectangle, ½ inch thick.
Cut:	into 4"x1" strips. Twist each strip 2 or 3 times. Place on ungreased baking sheet. Repeat for remaining dough and bake at 375 degrees for 15 to 20 minutes. This recipe makes about 5 dozen.

From the kitchen of Elise Walker, KA7KKZ

ANSWERS TO THE QUESTIONS

1. Giants
2. 49ers
3. Bears
4. Jets
5. Raiders
6. Steelers
7. Browns
8. Bills
9. Packers
10. Dolphins
11. Falcons
12. Oilers
13. Kings
14. Rams
15. Eagles
16. Cowboys
17. Cardinals
18. Chargers
19. Chiefs
20. Lions
21. Bengals
22. Sea Hawks
23. Buccaneer
24. Red Skins
25. Saints
26. Broncos
27. Colts
28. The missing Team is the New England Patriots.

OREGON STATE HAM CONVENTION

June 3-4-5, 1983 • Seaside, Oregon

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Mr. Richard Underwood

NASA - Houston
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The Honorable Judge Greg Milnes W7AGQ

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REGISTRATIONS POSTMARKED FROM APRIL 16, 1983 to May 15, 1983 will receive one *extra* ticket for the main prize drawing.

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W7JWJ Code Booth
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Kids Krayon Korner
YL-XYL Treasure Hunt
FCC Testing (if possible)
Call Portland Office for info

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Seaside, Oregon 97138

June 3-4-5, 1983

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(off. use only)

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DINNER: SALMON _____ PRIME RIB _____
Please Put Number and Choice

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***FOR MOTEL* RESERVATIONS—OREGON - (toll free) Call 1-800-452-6740 / OTHERS - Call 1-503-738-8585**

Convention Schedule...

Friday June 3, 1983

Exhibits	4:00 to 9:00 p.m.
Registration	4:00 to 9:00 p.m.
Seminars	7:00 to 9:00 p.m.
Ladies Treasure Hunt	4:00 to 6:00 a.m.

Saturday June 4, 1983

Registration open	8:00 a.m. to 7:00 p.m.
Exhibits	8:00 a.m. to 5:00 p.m.
Flea Markets	8:00 a.m. to 5:00 p.m.
Snack Bar	All Day
Kids Kartoons & Krayons	9:00 a.m. to 5:00 p.m.
Seminars	9:00 a.m. to 5:00 p.m.
Council of Clubs	12:00 p.m. to 1:00 p.m.
Bunny Hunt	12:00 to ???
ARRL Forum	3:30 p.m. to 5:00 p.m.
Cocktail Hour	6:00 p.m. to 7:00 p.m.
Banquet	7:00 p.m. to 9:30 p.m.
Ladies Treasure Hunt	All Day
FCC Testing - If Possible	?? a.m. to ??

(Call the Portland office at 221-3097 for info)

ADDITIONAL INFORMATION NEEDED:
CALL 1-503-640-5456
or 1-503-738-6461
(evenings)
FOR MOTEL RESERVATIONS AND-OR BABYSITTING:
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CALL 1-800-452-6740
OTHERS:
CALL 1-503-738-8585

Sunday June 5, 1983

Exhibits	8:00 a.m. til close
Registration	8:00 a.m. to 12:00 p.m.
Snack Bar	'til Closing
Kids Kartoons & Krayons	9:00 a.m. to 12:00 a.m.
Seminars	9:00 a.m. to 12:00 a.m.
NASA Film	TBA
Prize Drawings	12:30 p.m. to 1:30 p.m.
Convention Closes	2:00 p.m.

THIS IS AN ARRL SANCTIONED CONVENTION

The ***OREGON TUALATIN VALLEY AMATEUR RADIO CLUB*** and the ***NORTHCOAST REPEATER ASSOCIATION*** welcome you, our fellow amateurs, to join us in Seaside for the ***OREGON STATE CONVENTION.*** It is our wish that you and yours may enjoy yourselves to the fullest and be a part in making this event the success we intend it to be. We look forward to seeing you in Seaside.

Note: *The convention sponsors reserve the right to alter the "convention schedule".*

Note: *All registrants, including convention sponsors, a eligible for prize drawings and/or contest awards.*

OREGON STATE HAM CONVENTION
P.O. Box 920
Seaside, Oregon 97138

BUMPER TOW-BAR: For Jeep or other vehicle. Heavy duty and with ball hitch. $45.00. Al, WB7SIC. 640-5456

FOR SALE: EDDIE BAUER down sleeping bag. Never used. Good to -30. Waterproof nylon cover and stuff bag. Retail value is $280.00. Sell for $125.00. Al, 640-5456.

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A THANKS FROM ARRG TO THE OTVARC CLUB

There were several members of OTVARC that gave of their time, though not members of ARRG, at the recent flea market. One of them is Doc, KA7BSD, who put in a lot of hours as security chief. Another is Linda, N7CZY, who spent two days at the registration table. John, N7CRP, also helped out as did a number of others. We from ARRG appreciate ALL of the help we received from OTVARC as well as those members of ARRG. Without you we could not have had such a successful weekend. I, as ARRG President, say thanks! Dave, W7LJN. (a special thanks to Dick, WB7ADM, chairman)

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Brian Hawkins
Manager

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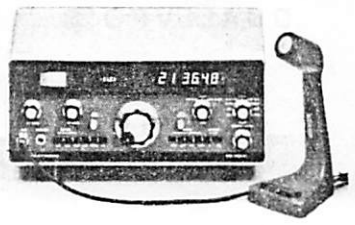

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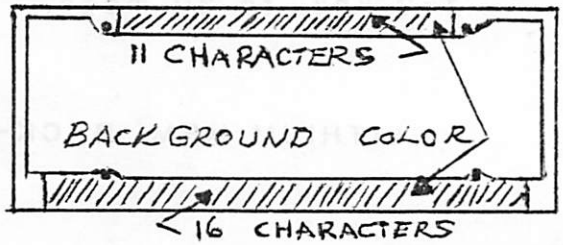

CHROME PLATES ARE 4 HOLE AND MOUNT EITHER DIRECTION FOR VERSITILITY! THIS GIVES OPTION OF 11 CHARACTERS ON TOP OR BOTTOM! PIASTIC ARE ONLY 2 HOLE, SOME MOUNTING LIMITS.

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LAST MINUTE CONVENTION NEWS

Registrations are starting to roll in at a good rate and it appears that our 1983 event will surpass last years. Our seminar committee has come up with 14 high quality programs and this is an increase of 3 over last year. Advertising in major ham publications has been arranged for and we have mailed registration forms to over 3000 hams in Oregon and southern Washington. Most all clubs have also received a mailing and they should show up in newsletters throughout the above mentioned areas. It is beginning to get very exciting! Pre-register and if you are staying the weekend, make your reservations EARLY. By the way, ALL exhibit booths will be full!!!! Join your club in its BIGGEST event of the year. CU in SEASIDE.....

MARCH PROGRAM

Our March meeting would be normally considered one of our social nights but to satisfy those who prefer some kind of a program, it will be a divided evening. We will have our long social gathering but in addition will be entertained by a short 30 minute slide program which is being provided by the ARRL. I will not elaborate any further as to the program content other than to say that it will be a real eye opener for many members. It will be a fun evening for all!!!!! CU THERE.....

INFORMATION FROM EMERGENCY SERVICES

In the event Spirit Lake decides to take a quick trip down the Toutle River, OTVARC, in cooperation with TERAC, has been designated by the Red Cross to provide communication from Rainier, Oregon to Portland, Oregon.

More specifically, Briarcliff School Complex in Rainier, Oregon will be field headquarters for the Red Cross, and the Heathman Hotel in Portland, Oregon will be the control center for them. Four nets will be established; medical emergency, survey information, shelter communication, and Red Cross communication. They will all be operational twenty four hours a day. This will all be VHF. Teletype is being considered, 100 WPM ASCII.

All equipment except for the tower, etc. are personally owned by our members. We are fortunate to have available the tower and other equipment from the emergency trailer.

There are seven members who are called First Responders. They are just what the name implys. They will be responsible for setting up and begining operations. During set up, other members who volunteered for emergency service will be called, for this is going to take a lot of personel power.

Sleeping accomodations and serving of meals will be provided at the school by the Red Cross volunteers. This is a great big joint effort of volunteers. Our responsibility now is only at Rainier, Oregon; other amateurs will be doing their part at the Heathman Hotel and other locations. It is possible for additional communications requirements when we are activated.

OTVARC volunteers should listen for call up on 147.92/.32 primary, 146.40/.00 secondary, or simplex 145.67. If volunteers are not able to be contacted by radio, they will be called by land line.

Any questions regarding this operation should be directed to N7DZR (Willis Ranes 292-1656). If you want to be involved in emergency services, fill out a questionaire/application and mail to OTVARC.

Emergency Services is in need of 2M verticle antennas. If you have one that you can give or loan, please call N7DZR (above).

The following frequencies are proposed for the operations:

146.84	Primary link between Briarcliff and the Heathman
146.70	Secondary Link between Briarcliff and the Heathman
146.46	Simplex Link between Columbia County shelters to Briarcliff
224.16	Repeater link for teletype between Briarsliff and Portland
448.65	Briarsliff local
46.58	Link to Columbia County E.O.C.
146.86	Link to Longview amateurs
.	Link to Clark County amateurs

VIEW FROM THE FRONT OF THE ROOM

Well, the program from Storer Cable TV is now history. A follow up note to the meeting that I want to talk about is the proceedure to follow if any of you experience any interference that you feel is comming from the cable company. Please get in touch with Roger Steyaert, K7RXV as chairman of our Technical Committee or my self with the particulars. We will see that your concern is turned over to Dan Trayler of Storer. He requested that we channel all "leakage" problems through him. On the flip side, Dan will channel things back through me. If this becomes a big problem, I will ask Roger to set up a subcommittee under the Technical committee to become our interference ("leakage") group.

The neat meeting room at PGE that we used last year without any problems getting the 3rd wednesday is very popular with more groups. This increases the competition for the room and PGE will only allow 3 meetings at a time to be reserved. OUR MEETING SCHEDULE FOR THE NEXT 3 MEETINGS IS:

MARCH: 3rd wed. 3/16/83
APRIL: 2nd wed. 4/13/83
MAY : 2nd wed. 5/11/83

73's Bert, W7JWG

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(W7NI & XYL)

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friday	6 pm to 10 pm
saturday	10 am to 6 pm

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Antenna Specials=

	SALE	LIST
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Cushcraft Boomer 32-19..	95.00	119.95
Cushcraft 450 Ringo.....	27.00	29.95
Hygain 204BA.....	239.00	332.95